

**AMENDMENTS TO THE CLAIMS:**

This listing of claims will replace all prior versions, and listings, of claims in the application:

**Listing of Claims:**

**Claim 1 (Currently amended):** A booster transformer for driving a magnetron, comprising:

a bobbin having a primary winding and a secondary winding wound thereon; and  
a core inserted into a center of said bobbin,

wherein a winding area of said secondary winding is divided into two areas while interposing a partition wall, and an outer diameter  $d$  of a wire of said secondary winding, ~~[[and]]~~ a width  $t_1$  of each of the divided wiring areas and a thickness  $t_2$  of said partition wall are so set as to satisfy the relation  $0.8t_2 \leq t_1 < 11d$ .

**Claim 2 (Original):** A booster transformer for driving a magnetron as defined in claim 1, wherein said secondary winding is wound on said bobbin while a wire material thereof is arranged under an irregular state.

**Claim 3 (Canceled)**

**Claim 4 (Original):** A booster transformer for driving a magnetron as defined in claim 1, wherein the wire material of said secondary winding is a solid wire having an insulating coating formed around a core wire or a litz wire formed by merely twisting a plurality of said solid wires.

**Claim 5 (Original):** A booster transformer for driving a magnetron as defined in claim 1, wherein high-voltage components constituting a voltage doubler rectifier circuit for rectifying a high frequency high voltage from said secondary winding of said booster transformer are held integrally with said bobbin.